

SECRET

29 January 1965

MEMORANDUM FOR THE RECORD

SUBJECT: Project 181

Change Detector

NPIC

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1. On 9 and 10 November 1964, [] the undersigned conducted on-site broadband and narrowband electric field radiation tests in accordance with Federal Standard 222 on the [] Change Detector System located in NPIC testing room on the first floor [] Broadband and narrowband magnetic field radiation, powerline conduction, powerline modulation and acoustic tests were not performed.

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2. The data taken was analyzed using building perimeter techniques. The results obtained from this method indicate that the radiation levels are not high enough to be a serious threat if several precautions are observed when the equipment is used []. Therefore, if approved by Physical Security for the processing of classified information and adopted by NPIC for use, the undersigned recommends that the following technical security measures be implemented:

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a) the change detector should be placed in a room where there is no direct line-of-sight view to any window from the equipment, preferably an interior room without windows.

b) the change detector should be placed in such a manner that the minimum distance from any outside building wall or any unprotected area within the building to the equipment is not less than fifty (50) feet.

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3. The technical security measures contained herein apply only to the change detector tested by [] and the undersigned.

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Declass Review by
NIMA/DOD

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CONFIDENTIAL

NPIC/P&DS-11-65
15 January 1965

MEMORANDUM FOR: Executive Director, NPIC

SUBJECT : Approval of Overrun on [] Change Detector,

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1. Approval is requested on [] additional funds and a contract extension to 31 March 1965. This action is requested to allow the [] to complete modification and trouble-shooting of deficiencies found during test and evaluation of the instrument [] All funds authorized under CPFF Contract [] have been expended and the instrument is inoperative [] engineers believe that all necessary work can be accomplished by fabricating parts and circuitry at their plant [] and installing the components on the instrument in [] It is the desire of both P&DS and [] engineers that trouble-shooting begin next week (18 January 1965) since the equipment is particularly sensitive to long inoperative periods.

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2. The work to be accomplished under the overrun is as follows:

- a. Trouble-shoot and correct malfunctions in cloud and shadow and enhancement circuitry.
- b. Adjust, repair or replace limit switches on the scale change mechanism.
- c. Change dash-pots on film drive sensor mechanism to increase sensitivity.
- d. Change motor gear boxes and linkage on film drive mechanism to eliminate jamming and bearing failure.
- e. Check out and correct malfunction in tip-tilt mechanism.

3. This action has been fully coordinated with [] Office of Logistics representative to NPIC. Copies of documents from OL contract files requesting this action are attached.

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SUBJECT: Approval of Overrun on [] Change Detector,

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4. The requested funding does not include any company absorbed costs over the [] ceiling currently in effect. The total funding for the contract, including this overrun is [] The contract is [] Confidential [] The contract was negotiated under an authorization of FY 1962 funds and no change in scope is involved.

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Distribution:

APPROVED

Executive Director, NPIC

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Distribution:

Orig. + 1 LB/SS
1 o/Dir. NPIC
1 - Project File
1 - Chrono File

NPIC/P&DS, []

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